

*35000*

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/533,979  
Source: PCT/10  
Date Processed by STIC: 5/13/05

***ENTERED***



PCT

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/533,979**

**DATE: 05/13/2005**  
**TIME: 15:02:42**

**Input Set : A:\9052-221.ST25.txt**  
**Output Set: N:\CRF4\05132005\J533979.raw**

3 <110> APPLICANT: Stockley, Peter  
 4 Adams, Christopher  
 5 Bunka, David  
 6 Rambaran, Roma  
 7 Phillips, Simon  
 8 Radford, Sheena  
 10 <120> TITLE OF INVENTION: NUCLEIC ACID LIGANDS AND USES THEREFOR  
 12 <130> FILE REFERENCE: 9052-221  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/533,979  
 C--> 14 <141> CURRENT FILING DATE: 2005-05-05  
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB03/004798  
 15 <151> PRIOR FILING DATE: 2003-11-05  
 17 <150> PRIOR APPLICATION NUMBER: GB0225833.3  
 18 <151> PRIOR FILING DATE: 2002-11-06  
 20 <160> NUMBER OF SEQ ID NOS: 113  
 22 <170> SOFTWARE: PatentIn version 3.3  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 50  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 32 <400> SEQUENCE: 1  
 33 ggacgaagag cgttatctta cgctgactgg atattagttt gttgaaatac 50  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 43  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Artificial Sequence  
 41 <220> FEATURE:  
 42 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 44 <400> SEQUENCE: 2  
 45 tcgttattct gttcagggtt tgagactcgt tgtatcgatt tag 43  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 41  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 56 <400> SEQUENCE: 3  
 57 ggcccctata cgaacgtcat cgtactcagc tgggttgc c 41  
 60 <210> SEQ ID NO: 4  
 61 <211> LENGTH: 47  
 62 <212> TYPE: DNA

P.6

RAW SEQUENCE LISTING DATE: 05/13/2005  
 PATENT APPLICATION: US/10/533,979 TIME: 15:02:42

Input Set : A:\9052-221.ST25.txt  
 Output Set: N:\CRF4\05132005\J533979.raw

63 <213> ORGANISM: Artificial Sequence  
 65 <220> FEATURE:  
 66 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 68 <400> SEQUENCE: 4  
 69 ttatatcgcttccacgtgtttacccaca cttgttttgcgttaa 47  
 72 <210> SEQ ID NO: 5  
 73 <211> LENGTH: 50  
 74 <212> TYPE: DNA  
 75 <213> ORGANISM: Artificial Sequence  
 77 <220> FEATURE:  
 78 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 80 <400> SEQUENCE: 5  
 81 ttatgacgcgttacatggatcgtatgtgccacaggtaaatctgcatt 50  
 84 <210> SEQ ID NO: 6  
 85 <211> LENGTH: 50  
 86 <212> TYPE: DNA  
 87 <213> ORGANISM: Artificial Sequence  
 89 <220> FEATURE:  
 90 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 92 <400> SEQUENCE: 6  
 93 ctgttcttatcaagccaaataaagtactatgccctaaggcctatatgatc 50  
 96 <210> SEQ ID NO: 7  
 97 <211> LENGTH: 50  
 98 <212> TYPE: DNA  
 99 <213> ORGANISM: Artificial Sequence  
 101 <220> FEATURE:  
 102 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 104 <400> SEQUENCE: 7  
 105 cgggtggaaaatctttggctggcttagtaacttcgtatttgctcggtc 50  
 108 <210> SEQ ID NO: 8  
 109 <211> LENGTH: 48  
 110 <212> TYPE: DNA  
 111 <213> ORGANISM: Artificial Sequence  
 113 <220> FEATURE:  
 114 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 116 <400> SEQUENCE: 8  
 117 ttgtccattgtatacgatgcgttcaaggtgatacggcttacgc 48  
 120 <210> SEQ ID NO: 9  
 121 <211> LENGTH: 50  
 122 <212> TYPE: DNA  
 123 <213> ORGANISM: Artificial Sequence  
 125 <220> FEATURE:  
 126 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 128 <400> SEQUENCE: 9  
 129 tcccttagcaggcttcatttcctgaccatctttgcgttggcctgtct 50  
 132 <210> SEQ ID NO: 10  
 133 <211> LENGTH: 50  
 134 <212> TYPE: DNA  
 135 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 05/13/2005  
 PATENT APPLICATION: US/10/533,979 TIME: 15:02:42

Input Set : A:\9052-221.ST25.txt  
 Output Set: N:\CRF4\05132005\J533979.raw

137 <220> FEATURE:  
 138 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 140 <400> SEQUENCE: 10  
 141 aaacgagtagt cttttggga tcttcagct gctagtgc aa tatcatctct 50  
 144 <210> SEQ ID NO: 11  
 145 <211> LENGTH: 47  
 146 <212> TYPE: DNA  
 147 <213> ORGANISM: Artificial Sequence  
 149 <220> FEATURE:  
 150 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 152 <400> SEQUENCE: 11  
 153 tggccctgcg accagcagtc aattagggtt tagcacagta gaggcct 47  
 156 <210> SEQ ID NO: 12  
 157 <211> LENGTH: 47  
 158 <212> TYPE: DNA  
 159 <213> ORGANISM: Artificial Sequence  
 161 <220> FEATURE:  
 162 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 164 <400> SEQUENCE: 12  
 165 cgcgactaac ttgcgtcagt tttgtacggg tggtagctc cctttta 47  
 168 <210> SEQ ID NO: 13  
 169 <211> LENGTH: 47  
 170 <212> TYPE: DNA  
 171 <213> ORGANISM: Artificial Sequence  
 173 <220> FEATURE:  
 174 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 176 <400> SEQUENCE: 13  
 177 ttctctcact tccttccagg tgaacggcgc attaaggct tggat 47  
 180 <210> SEQ ID NO: 14  
 181 <211> LENGTH: 50  
 182 <212> TYPE: DNA  
 183 <213> ORGANISM: Artificial Sequence  
 185 <220> FEATURE:  
 186 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 188 <400> SEQUENCE: 14  
 189 cagagttttaga tggcagctat tgtcgcctaa gtttgcttta tatcatcttt 50  
 192 <210> SEQ ID NO: 15  
 193 <211> LENGTH: 50  
 194 <212> TYPE: DNA  
 195 <213> ORGANISM: Artificial Sequence  
 197 <220> FEATURE:  
 198 <223> OTHER INFORMATION: synthetic ligand isolated from library  
 200 <400> SEQUENCE: 15  
 201 cggcgcgtcc ctgcaagtca actgtttcct ggctcgctt acgatccctt 50  
 204 <210> SEQ ID NO: 16  
 205 <211> LENGTH: 50  
 206 <212> TYPE: DNA  
 207 <213> ORGANISM: Artificial Sequence  
 209 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/533,979

DATE: 05/13/2005

TIME: 15:02:42

Input Set : A:\9052-221.ST25.txt

Output Set: N:\CRF4\05132005\J533979.raw

210 <223> OTHER INFORMATION: synthetic ligand isolated from library  
212 <400> SEQUENCE: 16  
213 cgtacacatc aaacttcga atccacagga taatcgagga gatctcctga 50  
216 <210> SEQ ID NO: 17  
217 <211> LENGTH: 50  
218 <212> TYPE: DNA  
219 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: synthetic ligand isolated from library  
224 <400> SEQUENCE: 17  
225 ttgtcgcgat actacatttgc tcctgtctgt gtgtcatacg gaactgtgta 50  
228 <210> SEQ ID NO: 18  
229 <211> LENGTH: 50  
230 <212> TYPE: DNA  
231 <213> ORGANISM: Artificial Sequence  
233 <220> FEATURE:  
234 <223> OTHER INFORMATION: synthetic ligand isolated from library  
236 <400> SEQUENCE: 18  
237 cggccgtcga tttgaaacac tcttcatcggt cgttaaccac ggcgtggaga 50  
240 <210> SEQ ID NO: 19  
241 <211> LENGTH: 50  
242 <212> TYPE: DNA  
243 <213> ORGANISM: Artificial Sequence  
245 <220> FEATURE:  
246 <223> OTHER INFORMATION: synthetic ligand isolated from library  
248 <400> SEQUENCE: 19  
249 cgtaccgcgc tacgttccca taagcgtgca atttgggtgc cttgggttgg 50  
252 <210> SEQ ID NO: 20  
253 <211> LENGTH: 50  
254 <212> TYPE: DNA  
255 <213> ORGANISM: Artificial Sequence  
257 <220> FEATURE:  
258 <223> OTHER INFORMATION: synthetic ligand isolated from library  
260 <400> SEQUENCE: 20  
261 ctttcaaggt ggggataccg agacaatttgc tcatctgttag tgtgatcagt 50  
264 <210> SEQ ID NO: 21  
265 <211> LENGTH: 50  
266 <212> TYPE: DNA  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: synthetic ligand isolated from library  
272 <400> SEQUENCE: 21  
273 tagaagcgtc gaatcattgg gaattcgtgc atttagggca ggcactttgg 50  
276 <210> SEQ ID NO: 22  
277 <211> LENGTH: 49  
278 <212> TYPE: DNA  
279 <213> ORGANISM: Artificial Sequence  
281 <220> FEATURE:  
282 <223> OTHER INFORMATION: synthetic ligand isolated from library

RAW SEQUENCE LISTING DATE: 05/13/2005  
PATENT APPLICATION: US/10/533,979 TIME: 15:02:42

Input Set : A:\9052-221.ST25.txt  
Output Set: N:\CRF4\05132005\J533979.raw

284 <400> SEQUENCE: 22  
285 caagcgaaat gtcactgtgt aaggtgtaac agggacaac ggaggacaa  
288 <210> SEQ ID NO: 23  
289 <211> LENGTH: 50  
290 <212> TYPE: DNA  
291 <213> ORGANISM: Artificial Sequence  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: synthetic ligand isolated from library  
296 <400> SEQUENCE: 23  
297 ggtacttggtt ttcgggtactt tggtgctttg ggaccacgggt ttgatggtgt 50  
300 <210> SEQ ID NO: 24  
301 <211> LENGTH: 50  
302 <212> TYPE: DNA  
303 <213> ORGANISM: Artificial Sequence  
305 <220> FEATURE:  
306 <223> OTHER INFORMATION: synthetic ligand isolated from library  
308 <400> SEQUENCE: 24  
309 tgcgcggagt ttcttatttgt gtatggcggtt ccttatcttag ggcagacttc 50  
312 <210> SEQ ID NO: 25  
313 <211> LENGTH: 50  
314 <212> TYPE: DNA  
315 <213> ORGANISM: Artificial Sequence  
317 <220> FEATURE:  
318 <223> OTHER INFORMATION: synthetic ligand isolated from library  
320 <400> SEQUENCE: 25  
321 tttgtacagt gctttcgctt gtcttcgcag cgcgctaatt gcttgcgagt 50  
324 <210> SEQ ID NO: 26  
325 <211> LENGTH: 50  
326 <212> TYPE: DNA  
327 <213> ORGANISM: Artificial Sequence  
329 <220> FEATURE:  
330 <223> OTHER INFORMATION: synthetic ligand isolated from library  
332 <400> SEQUENCE: 26  
333 gagctcagtg gggcttttgtt aggttagaaag aagtagctat ggctttcgaa 50  
336 <210> SEQ ID NO: 27  
337 <211> LENGTH: 50  
338 <212> TYPE: DNA  
339 <213> ORGANISM: Artificial Sequence  
341 <220> FEATURE:  
342 <223> OTHER INFORMATION: synthetic ligand isolated from library  
344 <400> SEQUENCE: 27  
345 cgtgatagcc cacggtcaag ggtctacgag tcatttggtc ctaacgctgc 50  
348 <210> SEQ ID NO: 28  
349 <211> LENGTH: 50  
350 <212> TYPE: DNA  
351 <213> ORGANISM: Artificial Sequence  
353 <220> FEATURE:  
354 <223> OTHER INFORMATION: synthetic ligand isolated from library  
356 <400> SEQUENCE: 28

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/533,979

DATE: 05/13/2005  
TIME: 15:02:43

Input Set : A:\9052-221.ST25.txt  
Output Set: N:\CRF4\05132005\J533979.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:60; N Pos. 1,20,30,37  
Seq#:63; N Pos. 4,10,25,27,29,34,36,37,39,42,45,49,57  
Seq#:72; N Pos. 101  
Seq#:73; N Pos. 59  
Seq#:74; N Pos. 10,20,24,25,28,30,35,40,44,46,54,57  
Seq#:77; N Pos. 40  
Seq#:78; N Pos. 8,14,34,50,55,60  
Seq#:81; N Pos. 15  
Seq#:85; N Pos. 5  
Seq#:88; N Pos. 10,13,14,24,36,50,52,56  
Seq#:91; N Pos. 11,21,33,51,71  
Seq#:92; N Pos. 45,59  
Seq#:95; N Pos. 12  
Seq#:96; N Pos. 7,8  
Seq#:97; N Pos. 29,48  
Seq#:99; N Pos. 4,11  
Seq#:100; N Pos. 17,18,45  
Seq#:102; N Pos. 19  
Seq#:103; N Pos. 17,56  
Seq#:104; N Pos. 11,46  
Seq#:105; N Pos. 25  
Seq#:107; N Pos. 45  
Seq#:110; N Pos. 21

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/533,979

DATE: 05/13/2005  
TIME: 15:02:43

Input Set : A:\9052-221.ST25.txt  
Output Set: N:\CRF4\05132005\J533979.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0  
L:988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:60  
L:1008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0  
L:1076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0  
L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0  
L:1161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0  
L:1203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0  
L:1257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0  
L:1329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0  
L:1391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0  
M:341 Repeated in SeqNo=91  
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0  
L:1458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0  
L:1476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0  
L:1499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0  
L:1536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0  
L:1559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0  
L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:0  
L:1616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:0  
L:1639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:0  
L:1659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:0  
L:1689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0  
L:1733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:0